

# Load Centers and Circuit Breakers

## Q-Line Plug-in Circuit Breakers

# Section 1

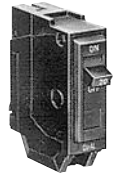
UL Listed (Molded Case Circuit Breakers No. 489)  
 Federal Government Specification Qualified (WC-375B)  
 60°C / 75°C Conductor Rating  
 Quick Make, Quick Break  
 Box Type Terminals



THQP130



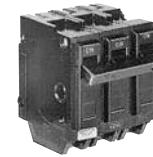
THQP230



THQL1120



THQL2140



THQL32015

### Q-Line Plug-in Circuit Breakers Specifications

| Breaker Type | Ampere Rating | Wire Size AWG/kcmil <sup>1</sup> |       |
|--------------|---------------|----------------------------------|-------|
|              |               | Cu                               | Al    |
| THQP         | 15-25         | 14-8                             | 12-8  |
|              | 30-50         | 8-4                              | 8-4   |
| THQL         | 15-30         | 14-8                             | 12-8  |
| THHQL        | 35-60         | 8-3                              | 8-3   |
| TXQL         | 70-100        | 6-1/0                            | 4-1/0 |
|              | 110-125       | 2-2/0                            | 2-2/0 |

<sup>1</sup>Solid or stranded for 14-10 AWG

### Q-Line Plug-in Circuit Breakers

| 120/240 Vac<br>Ampere Rating | 10,000AIC                 |                         |                | 22,000AIC                |                | 65,000AIC               |
|------------------------------|---------------------------|-------------------------|----------------|--------------------------|----------------|-------------------------|
|                              | Type THQP 1/2-inch Module | Type THQL 1-inch Module |                | Type THHQL 1-inch Module |                | Type TXQL 1-inch Module |
|                              | 120/240 Vac               | 120/240 Vac             | 240 Vac        | 120/240 Vac              | 240 Vac        | 120/240 Vac             |
|                              | Product Number            | Product Number          | Product Number | Product Number           | Product Number | Product Number          |
| Single Pole <sup>1</sup>     |                           |                         |                |                          |                |                         |
| 15 <sup>2</sup>              | THQP115                   | THQL1115                | -              | THHQL1115                | -              | TXQL1115                |
| 20 <sup>2</sup>              | THQP120                   | THQL1120                | -              | THHQL1120                | -              | TXQL1120                |
| 25                           | THQP125                   | THQL1125                | -              | THHQL1125                | -              | TXQL1125                |
| 30                           | THQP130                   | THQL1130                | -              | THHQL1130                | -              | TXQL1130                |
| 35                           | THQP135                   | THQL1135                | -              | THHQL1135                | -              | -                       |
| 40                           | THQP140                   | THQL1140                | -              | THHQL1140                | -              | -                       |
| 45                           | THQP145                   | THQL1145                | -              | THHQL1145                | -              | -                       |
| 50                           | THQP150                   | THQL1150                | -              | THHQL1150                | -              | -                       |
| Std. Pkg.                    | 5 cartons of 20           | 5 cartons of 10         |                | 5 cartons of 10          |                | 5 cartons of 10         |

#### Two-Pole<sup>3</sup>: Incorporates Internal Common Trip Bar

|           |                 |                |                        |                |                         |                |
|-----------|-----------------|----------------|------------------------|----------------|-------------------------|----------------|
| 15        | THQP215         | THQL2115       | THQL22015 <sup>4</sup> | THHQL2115      | THHQL22015 <sup>4</sup> | TXQL2115       |
| 20        | THQP220         | THQL2120       | THQL22020 <sup>4</sup> | THHQL2120      | THHQL22020 <sup>4</sup> | TXQL2120       |
| 25        | THQP225         | THQL2125       | THQL22025 <sup>4</sup> | THHQL2125      | THHQL22025 <sup>4</sup> | TXQL2125       |
| 30        | THQP230         | THQL2130       | THQL22030 <sup>4</sup> | THHQL2130      | THHQL22030 <sup>4</sup> | TXQL2130       |
| 35        | THQP235         | THQL2135       | THQL22035 <sup>4</sup> | THHQL2135      | THHQL22035 <sup>4</sup> | -              |
| 40        | THQP240         | THQL2140       | THQL22040 <sup>4</sup> | THHQL2140      | THHQL22040 <sup>4</sup> | -              |
| 45        | THQP245         | THQL2145       | THQL22045 <sup>4</sup> | THHQL2145      | THHQL22045 <sup>4</sup> | -              |
| 50        | THQP250         | THQL2150       | THQL22050 <sup>4</sup> | THHQL2150      | THHQL22050 <sup>4</sup> | -              |
| 60        | -               | THQL2160       | THQL22060 <sup>4</sup> | THHQL2160      | THHQL22060 <sup>4</sup> | -              |
| 70        | -               | THQL2170       | THQL22070 <sup>4</sup> | THHQL2170      | THHQL22070 <sup>4</sup> | -              |
| 80        | -               | THQL2180       | THQL22080 <sup>4</sup> | THHQL2180      | THHQL22080 <sup>4</sup> | -              |
| 90        | -               | THQL2190       | THQL22090 <sup>4</sup> | THHQL2190      | THHQL22090 <sup>4</sup> | -              |
| 100       | -               | THQL21100      | THQL22100 <sup>4</sup> | THHQL21100     | THHQL22100 <sup>4</sup> | -              |
| 110       | -               | THQL21110      | -                      | THHQL21110     | -                       | -              |
| 125       | -               | THQL21125      | -                      | THHQL21125     | -                       | -              |
| Std. Pkg. | 5 cartons of 10 | 5 cartons of 5 | 5 cartons of 5         | 5 cartons of 5 | 5 cartons of 5          | 5 cartons of 5 |

#### Three-Pole<sup>3</sup>: Incorporates Internal Common Trip Bar

|           |   |   |                |   |                |                |
|-----------|---|---|----------------|---|----------------|----------------|
| 15        | - | - | THQL32015      | - | THHQL32015     | TXQL32015      |
| 20        | - | - | THQL32020      | - | THHQL32020     | TXQL32020      |
| 25        | - | - | THQL32025      | - | THHQL32025     | TXQL32025      |
| 30        | - | - | THQL32030      | - | THHQL32030     | TXQL32030      |
| 35        | - | - | THQL32035      | - | THHQL32035     | -              |
| 40        | - | - | THQL32040      | - | THHQL32040     | -              |
| 45        | - | - | THQL32045      | - | THHQL32045     | -              |
| 50        | - | - | THQL32050      | - | THHQL32050     | -              |
| 60        | - | - | THQL32060      | - | THHQL32060     | -              |
| 70        | - | - | THQL32070      | - | THHQL32070     | -              |
| 80        | - | - | THQL32080      | - | THHQL32080     | -              |
| 90        | - | - | THQL32090      | - | THHQL32090     | -              |
| 100       | - | - | THQL32100      | - | THHQL32100     | -              |
| Std. Pkg. |   |   | 5 cartons of 3 |   | 5 cartons of 3 | 5 cartons of 3 |

<sup>1</sup>UL Listed as HACR (heating, air conditioning and refrigeration).

<sup>2</sup>UL Listed as SWD (switching duty). Suitable for 120 volts ac fluorescent lighting loads.

<sup>3</sup>15-100 amp UL Listed as HACR (heating air conditioning and refrigeration).

<sup>4</sup>Required for three-phase and High Leg Delta Systems only.

#### References:

|                                    |                             |
|------------------------------------|-----------------------------|
| Accessories Pages                  | 1-24 thru 1-30              |
| Auxiliary Switches and Shunt Trips | BuyLog pages 6-40 thru 6-42 |



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THQP130



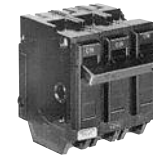
THQP230



THQL1120



THQL2140



THQL32015

### Q-Line Plug-in Circuit Breakers Specifications

| Breaker Type | Ampere Rating | Wire Size AWG/kcmil <sup>1</sup> |       |
|--------------|---------------|----------------------------------|-------|
|              |               | Cu                               | Al    |
| THQP         | 15-25         | 14-8                             | 12-8  |
|              | 30-50         | 8-4                              | 8-4   |
| THQL         | 15-30         | 14-8                             | 12-8  |
| THHQL        | 35-60         | 8-3                              | 8-3   |
| TXQL         | 70-100        | 6-1/0                            | 4-1/0 |
|              | 110-125       | 2-2/0                            | 2-2/0 |

<sup>1</sup>Solid or stranded for 14-10 AWG

### Q-Line Plug-in Circuit Breakers

| 120/240 Vac<br>Ampere Rating | 10,000AIC                 |                         |                | 22,000AIC                |                | 65,000AIC               |
|------------------------------|---------------------------|-------------------------|----------------|--------------------------|----------------|-------------------------|
|                              | Type THQP 1/2-inch Module | Type THQL 1-inch Module |                | Type THHQL 1-inch Module |                | Type TXQL 1-inch Module |
|                              | 120/240 Vac               | 120/240 Vac             | 240 Vac        | 120/240 Vac              | 240 Vac        | 120/240 Vac             |
|                              | Product Number            | Product Number          | Product Number | Product Number           | Product Number | Product Number          |
| Single Pole <sup>1</sup>     |                           |                         |                |                          |                |                         |
| 15 <sup>2</sup>              | THQP115                   | THQL1115                | -              | THHQL1115                | -              | TXQL1115                |
| 20 <sup>2</sup>              | THQP120                   | THQL1120                | -              | THHQL1120                | -              | TXQL1120                |
| 25                           | THQP125                   | THQL1125                | -              | THHQL1125                | -              | TXQL1125                |
| 30                           | THQP130                   | THQL1130                | -              | THHQL1130                | -              | TXQL1130                |
| 35                           | THQP135                   | THQL1135                | -              | THHQL1135                | -              | -                       |
| 40                           | THQP140                   | THQL1140                | -              | THHQL1140                | -              | -                       |
| 45                           | THQP145                   | THQL1145                | -              | THHQL1145                | -              | -                       |
| 50                           | THQP150                   | THQL1150                | -              | THHQL1150                | -              | -                       |
| Std. Pkg.                    | 5 cartons of 20           | 5 cartons of 10         |                | 5 cartons of 10          |                | 5 cartons of 10         |

#### Two-Pole<sup>3</sup>: Incorporates Internal Common Trip Bar

|           |                 |                |                        |                |                         |                |
|-----------|-----------------|----------------|------------------------|----------------|-------------------------|----------------|
| 15        | THQP215         | THQL2115       | THQL22015 <sup>4</sup> | THHQL2115      | THHQL22015 <sup>4</sup> | TXQL2115       |
| 20        | THQP220         | THQL2120       | THQL22020 <sup>4</sup> | THHQL2120      | THHQL22020 <sup>4</sup> | TXQL2120       |
| 25        | THQP225         | THQL2125       | THQL22025 <sup>4</sup> | THHQL2125      | THHQL22025 <sup>4</sup> | TXQL2125       |
| 30        | THQP230         | THQL2130       | THQL22030 <sup>4</sup> | THHQL2130      | THHQL22030 <sup>4</sup> | TXQL2130       |
| 35        | THQP235         | THQL2135       | THQL22035 <sup>4</sup> | THHQL2135      | THHQL22035 <sup>4</sup> | -              |
| 40        | THQP240         | THQL2140       | THQL22040 <sup>4</sup> | THHQL2140      | THHQL22040 <sup>4</sup> | -              |
| 45        | THQP245         | THQL2145       | THQL22045 <sup>4</sup> | THHQL2145      | THHQL22045 <sup>4</sup> | -              |
| 50        | THQP250         | THQL2150       | THQL22050 <sup>4</sup> | THHQL2150      | THHQL22050 <sup>4</sup> | -              |
| 60        | -               | THQL2160       | THQL22060 <sup>4</sup> | THHQL2160      | THHQL22060 <sup>4</sup> | -              |
| 70        | -               | THQL2170       | THQL22070 <sup>4</sup> | THHQL2170      | THHQL22070 <sup>4</sup> | -              |
| 80        | -               | THQL2180       | THQL22080 <sup>4</sup> | THHQL2180      | THHQL22080 <sup>4</sup> | -              |
| 90        | -               | THQL2190       | THQL22090 <sup>4</sup> | THHQL2190      | THHQL22090 <sup>4</sup> | -              |
| 100       | -               | THQL21100      | THQL22100 <sup>4</sup> | THHQL21100     | THHQL22100 <sup>4</sup> | -              |
| 110       | -               | THQL21110      | -                      | THHQL21110     | -                       | -              |
| 125       | -               | THQL21125      | -                      | THHQL21125     | -                       | -              |
| Std. Pkg. | 5 cartons of 10 | 5 cartons of 5 | 5 cartons of 5         | 5 cartons of 5 | 5 cartons of 5          | 5 cartons of 5 |

#### Three-Pole<sup>3</sup>: Incorporates Internal Common Trip Bar

|           |   |   |                |   |                |                |
|-----------|---|---|----------------|---|----------------|----------------|
| 15        | - | - | THQL32015      | - | THHQL32015     | TXQL32015      |
| 20        | - | - | THQL32020      | - | THHQL32020     | TXQL32020      |
| 25        | - | - | THQL32025      | - | THHQL32025     | TXQL32025      |
| 30        | - | - | THQL32030      | - | THHQL32030     | TXQL32030      |
| 35        | - | - | THQL32035      | - | THHQL32035     | -              |
| 40        | - | - | THQL32040      | - | THHQL32040     | -              |
| 45        | - | - | THQL32045      | - | THHQL32045     | -              |
| 50        | - | - | THQL32050      | - | THHQL32050     | -              |
| 60        | - | - | THQL32060      | - | THHQL32060     | -              |
| 70        | - | - | THQL32070      | - | THHQL32070     | -              |
| 80        | - | - | THQL32080      | - | THHQL32080     | -              |
| 90        | - | - | THQL32090      | - | THHQL32090     | -              |
| 100       | - | - | THQL32100      | - | THHQL32100     | -              |
| Std. Pkg. |   |   | 5 cartons of 3 |   | 5 cartons of 3 | 5 cartons of 3 |

<sup>1</sup>UL Listed as HACR (heating, air conditioning and refrigeration).

<sup>2</sup>UL Listed as SWD (switching duty). Suitable for 120 volts ac fluorescent lighting loads.

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|                                    |                             |
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